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MEMORANDUM

TO: Sarah Porter, City of New Bedford
FROM: Scott Turner *ST*
DATE: June 14, 2016
RE: 200 Theodore Rice Boulevard

Below is a summary of my observations during the site visit held this afternoon at the 200 Theodore Rice Boulevard construction site. I was met on site by Sarah Porter and Rich Riccio from Field Engineering.

1. Significant work has been conducted onsite. Most of the wooded areas have been cleared and detention/infiltration basins #1 and #2 have been rough graded. The majority of the parking lots have been scarified.
2. Both detention basins #1 and #2 appear to be constructed in fill. Each basin included a significant amount of debris including wood, branches, etc. There are also significant stones remaining in each of the basins. The contractor should remove the debris to the best of his ability.
3. Soils conditions at the bottom of the basins are variable. A significant portion of the bottom of detention basin #1 – approximately 2/3 of the basin – presented very dark, loamy soils that are not conducive to infiltration. Some of these soils were very wet and some minor puddling was observed.
4. Rich Riccio asked the contractor to excavate two test holes in basin #1. These test holes showed fill for approximately 18 inches with sandy soils below. Groundwater appeared to occur at approximately 2 feet below the bottom of the basin, consistent with the test holes performed during the design of the site as well as the Stormwater Management Guidelines.
5. Due to the size of the area containing the unsuitable soils, it is unreasonable to remove all of the unsuitable soils located on the bottom of the basin. During the site visit, we decided to have the contractor install an approximately three-foot-wide stone trench at the bottom of each detention basin. The bottom of the trench will need to be deep enough so the bottom of the stone trench is below the elevation of the bottom of the fill material. The bottom of the basin should be sloped towards the stone trench. This trench will insure that each basin drains adequately. Field Engineering has forwarded a sketch of the area to include the trench as well as a detail. These sketches appear acceptable.
6. The drain pipe that crosses the eastern entrance to the site was being installed.
7. Rich Riccio mentioned that the drainage swale located at the southwestern side of the site will be installed next week.

Please call if you have any questions.

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